

ABSTRACT OF THE DISCLOSURE

5 A game machine displays a target on a display plane
with four known points. An image sensor with an image
plane on which an image of the display plane is formed
with the known points included. The game machine
calculates an attitude of the image plane relative to
the display plane in response to the image of the known
points on the image plane. The game machine causes a
10 change in the target depending on the calculated
attitude. The game machine calculates the position of
a point on the display plane corresponding to a
predetermined position on the image plane in response
to the image of the known points on the image plane.
15 The game machine compares the position of the target
point with the calculated position to cause a change
in the image of the target point on the display plane
in response to the comparison.

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